

## ROD- AND TUBE-EXTRUSION PRESS

## CROSS REFERENCE TO RELATED APPLICATIONS

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This application is the US national phase of PCT application PCT/DE2003/001929, filed 12 June 2003, published 31 December 2003 as WO 2004/000538, and claiming the priority of German patent application 10227488.6 itself filed 19 June 2002.

## FIELD OF THE INVENTION

10 The invention relates to a rod- and tube-extrusion press having upper and lower prestressed laminated tension rods as well as upper and lower compression beams interconnecting a cylinder crosshead and a counter crosshead of a press frame and on which are mounted a movable crosshead and a movable container into which a loader places a billet to be pressed through a die on the counter crosshead.

15 Such a horizontal or recumbent metal-extrusion press is known from EP 0,428,989. A billet heated in a furnace to forging temperature is picked up by loading shells and swung by arms fixed on a shaft - this being a so-called pivotal loader as opposed to a standard linear billet loader - into alignment on the press axis in  
20 the space between the die and the pressing disk. An actuating cylinder shifts the movable crosshead and the billet container toward the die so as to fit the billet container over the billet. As the billet container is advanced, the axially movable pivotal arms slide on the shaft until the block is braced between the press